Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] What is claimed is:

1.A locking member for use in an optical disk drive with a chassis, comprising:

a hollow element including a hollow portion;

a protuberance, being integrally formed with the chassis and including a hole; and

a rivet, extending through the hole of the protuberance and the hollow portion of the hollow element.

[c2] 2.The locking member as claimed in claim 1, wherein a screw thread is integrally formed on the hollow portion of the hollow element, and a screw thread is integrally formed on a tubular projection of the rivet.

[c3] 3.The locking member as claimed in claim 2, wherein the tubular projection of the rivet threads through the hollow portion of the hollow element.

[c4] 4.The locking member as claimed in claim 1, wherein the hollow element and the rivet are of metallic material.

[c5] 5.The locking member as claimed in claim 1, wherein the hollow element and the rivet are of plastic.

[c6] 6.The locking member as claimed in claim 1, wherein the shape of the rivet can be a circle, a square, a triangle, or a polygon.

[c7] 7.A locking member for use in an optical disk drive with a chassis, comprising:
a bushing including a hollow portion;
a protuberance, being integrally formed with the chassis and including a hole;
a washer, having a hole and aligned with the protuberance; and
a rivet, extending through the hole of the protuberance, the hole of the washer and the hollow portion of the bushing.

[c8] 8.The locking member as claimed in claim 7, wherein a screw thread is integrally formed on the hollow portion of the bushing, and a screw thread is integrally formed on a tubular projection of the rivet.

[c9] 9.The locking member as claimed in claim 8, wherein the tubular projection of the rivet threads through the hollow portion of the bushing.

[c10] 10.The locking member as claimed in claim 7, wherein the bushing, the washer and the rivet are of metallic material.

[c11] 11.The locking member as claimed in claim 7, wherein the bushing, the washer and the rivet are of plastic.

[c12] 12.The locking member as claimed in claim 7, wherein the shape of the rivet can be a circle, a square, a triangle, or a polygon.

[c13] 13.An optical disk drive, comprising:
a chassis;
a disk tray, positioned inside the chassis;
a locking mechanism, positioned on the disk tray;
a locking member, positioned on the chassis, the locking member having:
a hollow element including a hollow portion;
a protuberance, being integrally formed with the chassis and including a hole; and
a rivet, extending through the hole of the protuberance and the hollow portion of the hollow element.

[c14] 14.The optical disk drive as claimed in claim 13, wherein a screw thread is integrally formed on the hollow portion of the hollow element, and a screw thread is integrally formed on a tubular projection of the rivet.

[c15] 15.The optical disk drive as claimed in claim 13, wherein the tubular projection of the rivet threads through the hollow portion of the hollow element.

[c16] 16.The optical disk drive as claimed in claim 13, wherein the hollow element and the rivet are of metallic material.

[c17] 17.The optical disk drive as claimed in claim 13, wherein the hollow element and the rivet are of plastic.

[c18] 18.The optical disk drive as claimed in claim 13, wherein the shape of the rivet can be a circle, a square, a triangle, or a polygon.